

Water-Data Report 2008

**421157075535401 Local number Bm-129, near Castle Creek NY**

New York clastic-rock aquifers

Sonyea Formation

Broome County, NY

LOCATION.--Lat 42°11'57", long 75°53'54" referenced to North American Datum of 1927, Broome County, NY, Hydrologic Unit 02050102, near Castle Creek.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 252 ft. Upper casing diameter 6 in; top of first opening 52 ft, bottom of last opening 252 ft. Cased to 52 ft, open hole. Elevation of land-surface datum is 1,105.75 ft above NGVD of 1929.

PERIOD OF RECORD.--November 1985 to August 1995 and October 2002 to current year.

GAGE.--Water-stage recorder--15 minute; periodic measurements by USGS personnel.

REMARKS.--Well drilled by New York State Department of Transportation, originally intended as water-supply well for proposed rest area on Interstate Highway I-81. Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 65.96 ft below land-surface datum, Apr. 12, 2008; lowest measured, 75.83 ft below land-surface datum, Nov. 1, 1985.

EXTREMES FOR CURRENT YEAR.--Highest water level, 65.96 ft below land surface datum, Apr. 12; lowest water level, 69.58 ft below land surface datum, Oct. 25, 26.

## 421157075535401 Local number Bm-129, near Castle Creek NY—Continued

**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	69.31	69.17	68.84	68.13	68.10	67.78	66.18	66.69	66.92	67.61	67.93	68.56
2	69.30	69.23	68.73	68.18	68.06	67.84	66.31	66.68	66.98	67.60	67.93	68.55
3	69.27	69.10	68.50	68.33	68.12	67.77	66.33	66.67	67.00	67.65	67.96	68.54
4	69.32	69.06	68.49	68.30	68.14	67.72	66.16	66.67	66.97	67.70	67.99	68.59
5	69.35	69.05	68.53	68.39	68.06	67.63	66.18	66.71	67.05	67.77	68.00	68.62
6	69.32	68.99	68.65	68.39	67.95	67.77	66.23	66.70	67.08	67.72	67.97	68.60
7	69.33	69.09	68.66	68.38	67.97	67.75	66.25	66.66	67.08	67.75	67.97	68.65
8	69.30	69.10	68.65	68.30	68.04	67.56	66.25	66.61	67.06	67.76	67.98	68.72
9	69.27	69.05	68.68	68.19	68.02	67.68	66.21	66.62	67.06	67.79	68.04	68.70
10	69.25	69.06	68.62	68.23	67.96	67.74	66.21	66.64	67.09	67.94	68.04	68.80
11	69.22	69.10	68.60	68.10	68.08	67.65	66.12	66.63	67.16	67.95	68.03	68.83
12	69.24	69.05	68.55	68.17	68.09	67.54	66.00	66.65	67.24	67.94	68.06	68.78
13	69.30	68.99	68.53	68.18	67.91	67.55	66.06	66.75	67.23	67.94	68.09	68.74
14	69.36	68.94	68.50	68.08	67.98	67.48	66.15	66.76	67.21	68.10	68.12	68.69
15	69.38	68.86	68.58	68.04	67.98	67.43	66.22	66.76	67.22	68.18	68.18	68.77
16	69.38	68.90	68.30	68.13	68.07	67.10	66.26	66.70	67.19	68.09	68.20	68.87
17	69.35	68.98	68.39	68.11	67.99	66.76	66.24	66.61	67.22	68.08	68.22	68.87
18	69.30	69.05	68.47	68.01	67.87	66.51	66.24	66.61	67.24	68.01	68.24	68.92
19	69.22	69.03	68.41	68.02	67.93	66.20	66.23	66.68	67.30	67.99	68.28	68.96
20	69.23	68.90	68.43	68.06	68.01	66.11	66.29	66.71	67.35	67.96	68.35	68.93
21	69.35	68.85	68.48	68.17	68.09	66.16	66.37	66.71	67.39	67.91	68.38	68.94
22	69.34	68.79	68.50	68.03	---	66.13	66.39	66.76	67.37	67.94	68.40	68.99
23	69.32	68.91	68.36	67.99	---	66.18	66.38	66.85	67.39	67.91	68.39	69.03
24	69.41	68.95	68.33	68.01	68.00	66.22	66.43	66.89	67.46	67.93	68.35	69.03
25	69.51	68.89	68.40	68.08	---	66.20	66.41	66.91	67.50	68.00	68.36	69.05
26	69.48	68.76	68.40	68.08	---	66.17	66.41	66.86	67.45	67.97	68.43	69.00
27	69.32	68.72	68.34	68.07	---	66.20	66.45	66.91	67.47	67.95	68.45	68.95
28	69.38	68.84	68.37	68.09	---	66.15	66.37	67.03	67.48	67.97	68.46	68.93
29	69.34	68.73	68.28	67.99	67.93	66.32	66.45	67.01	67.50	67.99	68.43	68.97
30	69.29	68.76	68.28	67.97	---	66.40	66.62	67.01	67.53	67.96	68.46	68.94
31	69.21	---	68.19	68.23	---	66.33	---	66.90	---	67.92	68.52	---
Mean	69.32	68.96	68.49	68.14	---	66.97	66.28	66.75	67.24	67.90	68.20	68.82
Max	69.51	69.23	68.84	68.39	---	67.84	66.62	67.03	67.53	68.18	68.52	69.05
Min	69.21	68.72	68.19	67.97	---	66.11	66.00	66.61	66.92	67.60	67.93	68.54

**421157075535401 Local number Bm-129, near Castle Creek NY—Continued**

